Disposal 1964

PWD 24 GMS 64 3087/63

NOTES

MYSORE GOVERNMENT SECRETARIAT

3662 - 63
dsl/mmc

File No. PWD 93 HGL 63

Department of PW PWD 136/ID/GL63

Section MI

Subject: Recommendations of the Training Committee of Experts -

References:

Date	To whom sent	Notes and instructions

1.9

12/8/63

21/12/63

Notes pages 5
Correspondences pages 28
Cuttings 1 B
Tabled by ... Note Book
Secretary to Government.

23/6

Serial No.

Letter no. D.O. 6 (13) 162. Policy dated 19.7.63 from the Minister of State, Ministry of Irrigation & Power regarding Standardisation of earthmoving machinery etc

Minute of the Minister for P.W.D.

1) The recommendations of the Standing Committee of experts may be examined and put up.

Md. N. Patil
25/7

2) A draft to CP (SP) is put up.

Read for Typing on 11/8/63.

12/8/63

3) Issue

Received typed at 5.30 pm on 17.8.63

17/8/63

Dispatched In No. P.W.D. 93 H 6463 14/8
Dated 19/8/63

for B. Rama on 19/8/63

Letter no. D.O. 1334 dated 29.8.63 from the CE., SP & ECP on the subject.

4) Submitted for perusal. Report called for from the other CPs is awaited. A reminder is put up. 5) Report from CE SUP. has since come. Hence only CE SP may be reminded. Draft placed below for approval

19/9/63

Note.—Contn. Sheet

V

File No. PWD-93-MGL of 1963.

Mysore Government Secretariat

Despatched in No. P.W.D. 9311 GL 63
Dated 13/9/63

Serial No.

Hy

Letter no. SVP/ST/ENE/Gr/00725T/63-64 dated 12-9-63 from the C.E. Sharavathy Valley Project on the subject.

1) Submitted ~~for~~ Annual Report called for from the C.E. (SP) is awaited and ~~is~~ has been intimated by a T.C reminder on 13.9.63 Report from him may be awaited.

2) H 18/9

Sec B
Remind on 18/9/63
20/9

K.No CMO/TSA/1164, dated 1-10-1963, from the Chief Engineer (S.P.).

9) Reference Minister's order on page 1 ~~a~~ Copied as para 1 n.f.

10) The comments of the Special Chief Engineer, Shimsha may be seen in the enclosed statement-V PWD I.

11) The comments of the C.E. (SP) may be seen in PWD II. The C.E (SP) while generally agreeing to the recommendations of the Standing Committee (pages 1-8 cf), had suggested that power mini-sets on the machines also require to be standardised. Based on the basis--

WD-010154—GPB—775—8,00,000—1-10-61

PTO

Serial No.

experience he had suggested that Diesel engines like 'Cummins', 'Caterpillar's G.M., 'Allis-Chalmers', International Harvesters can be standardised. He had also suggested that engines fitted on machinery imported from Hungary like Magnet Dumpers may also be included in the standardisation list.

Ur. w.r.t. 15/10 JS) 16/10

12 Discuss

16.10.61

D.S.I.) M. A. SUBHAN KHAN,
Jt. Secy. to Govt., P.W.D.

JOINT SECRETARY TO GOVT.
No. 3081
16 OCT 1963
PUBLIC WORKS DEPARTMENT

13 Discussed. Forward the particulars to C.E.D.

23.10.63

D.S.I.) M. A. SUBHAN KHAN.
Jt. Secy. to Govt., P.W.D.

PA 16/10.

14 Draft-reply (in the form of D.O. as drawn the Minister-PWD, as the letter at page 1 c.f. was addressed to him) is put up for consideration

This is for the new Govt. 24/10

Ur. w.r.t. 29/10

15 pl. put up on 11.11.63. I will discuss this subject with J.S. after his return from E.L. 2/11

16 Ref. para 15 above. The file is put up. 11/11

JOINT SECRETARY TO GOVT.
No. 3081
19 NOV 1963
PUBLIC WORKS DEPARTMENT

17) Discussed. Put up a draft D.O. as per the Minister P.W.D. forwarding the particulars

D.S.I.) 19.11.63

Note.—Contn. Sheet

19/11

PTO

File No. PWD-93-MSL-of 1963.

Mysore Government Secretariat

Serial No.

18) Reference from 17 overleaf.

19) Draft D.O. as from the Minister, proposed is at pages 17-18. This has reference with Minister's D.O. on the subject at page 1 ante.

20/11/63

20) Typed draft D.O. regd is put up.

27/11

21) Supt. put up on 28.11.63

27/11

Spoken. Typed draft D.O. put up.

29/11

T.S.

22) Revised draft is put up.

1/12

23) Typed draft is put up.

3/12

24) The draft letter at page 25 is in order.

3/12

25) Draft for approval.

4.12.63

(L. A. SUBHAN KHAN)
Dy. Secy. to Govt., P.W.D.

JOINT SECRETARY TO GOVT. No 3662 - 4 DEC 1963 PUBLIC WORKS DEPARTMENT

OFFICE OF THE MINISTER FOR PUBLIC WORKS No 2693 4 DEC 1963 BANGALORE.

26) 4/12.

(VEERENDRA PATIL),
Minister for Public Works.

JOINT SECRETARY TO GOVT. No 3662 - 6 DEC 1963 PUBLIC WORKS DEPARTMENT

27) D.S.19)

6.12.63

L. A. SUBHAN KHAN,
Dy. Secy. to Govt., P.W.D.

29) 7/12/63

WD-010154—GPB—PZS—8,00,000—1-10-61

O.V. Alagesan,
Minister of State.

D.O.No. 6(13)/62-Policy
Government of India
Ministry of Irrigation & Power

New Delhi, the 19th July, 1963
Asadha 1885

My dear Patil,

As you are aware, there is a Standing Committee of Experts, which periodically considers and recommends standardisation of well-tried items of Earthmoving machinery and heavy mechanical equipment for the River Valley Projects in the interest of increasing the efficiency of operation and maintenance of such equipment as also of reducing the cost of projects. In this connection, attention is invited to this Ministry's letter No. 6(3)/55-Policy, dated 23-4-57. This Committee is required to review the list of standardised makes after five years or earlier, if necessary, in order to suggest additions and alterations to the list, keeping in view the technological advancement in the field of manufacture of construction machinery/equipment and the experience gained from the operation and maintenance of these machines.

2. The Standing Committee met during February, 1963, and reviewed the various makes of machinery already on the standardised list as well as those proposed to be brought on the list. A copy of the summary of recommendations of the Committee with my Ministry's remarks against each item is enclosed for your information. These recommendations will be placed before the next meeting of the Co-ordination Board of Ministers. In the meantime, it is considered advisable to obtain, by circulation, the approval of the Coordination Board of Ministers to the specific recommendations at items 1, 2, 4 and 5 of the summary. As suggested in item 5 of the summary, action is being taken to make a reference to the manufacturers and the Ministry of Defence (for Komatsu tractors) asking them to make satisfactory arrangements for after-sales service and supply of spare parts. In regard to Komatsu tractors, the Central Water and Power Commission have already requested the various Project authorities to prepare and send the history sheets indicating the performance of each of these machines.

3. I shall be grateful if you will kindly convey your approval to the recommendations made by the Standing Committee of Experts as indicated against items 1,2,4 and 5 of the summary.

Yours sincerely,

(O.V. Alagesan)

Shri Veerendra Patil,
Minister for Public Works,
Govt. of Mysore,
Ban-galore.

GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER

LIST OF STANDARDISED EQUIPMENT
(As recommended by Standing Committee of Experts on 7.2. 1963)

Sl.No.	Name of Equipment	Make of Equipment
1.	Crawler Tractors(above 60 BHP)	i) Caterpillar ii) Allis-chalmers iii) International iv) Komatsu v) Euclid
2.	Rubber-Tyred Tractor Dozers	i) Letourneau-Westinghouse ii) Michigan
3.	Motorised Scrapers	i) Letourneau-Westinghouse ii) Allis-chalmers iii) Caterpillar iv) Euclid v) Michigan vi) International Harvester
4.	Towed Scrapers (above 6 cuyds.cap.)	i) Onion Empire ii) Letourneau-Westinghouse iii) Caterpillar
5.	Bottom Dumpers	i) Euclid ii) Caterpillar iii) Letourneau-Westinghouse
6.	Rear or Side Dumpers - above 10 Tonnes payload (off-the-highway)	i) Euclid ii) Letourneau-Westinghouse iii) Macks with 'Heil' bodies and 'Marion' Jacks. iv) Caterpillar v) Foden
7.	Rear or Side Dumpers - upto 10 Tonnes payload (off-the-highway)	i) Euclid ii) Aveling-Barford iii) Mogurt
8.	Excavators	i) Ruston-Bucyrus/Bucyrus-Erie ii) North-west iii) Lima iv) Marion v) P & H
9.	Motor Graders (above 75 H.P.)	i) Caterpillar ii) Allis-Chalmers iii) Galion iv) Letourneau-Westinghouse

(5) Point of reference(5)

To review the after-sales-service rendered by suppliers of standardised equipment during the past 5 years.

X

The reports on after-sale
of equipment, were review
that after-sales-service
Allis Chalmers equipment
scraper/Motor grader, Eucl
and Northwest shovel was
Construction Corporation
shovel spare parts. The
be referred to the manufa
Indian agents asking them
after-sales-service and s
execute rate contract wit
Disposals for Supply of s
the matter may be reviewe
Some difficulty has latel
spare parts for Internati
this slackness may be bro
may rectify the position.

Alongwith the after-
also reviewed. In view o
after-sales-service from
performance in case of Ko
mark, it was decided that
may be further classified
the performance and after
satisfactory, and (B) Fol

(a) Machine basical
satisfactory.
(b) Imported machi
construction w
country of ori
in India.
(c) Indigenous mac

The Committee cons
regarding after-sales-se
be taken up with the dea
told to improve upon the
come under category (B)(
each machine should be p
The defects observed in
Ministry of Defence who
Y construction. Ministry
proper and adequate afte

The makes under cl
one to two years and if
tion these makes will ru
list. Such of those as
Category 'A'.

Reviewing the lis
that following equipment

I) Crawler Tractor
i) Caterpillar
ii) International
iii) Allis/Chalme

iv) Komatsu

v) Euclid

The application of
was considered and rejec

2) Rubber Tyred
i) Letourneau-
ii) Michigan

-service rendered by suppliers
d by the Committee and it was noted
in respect of Komatsu crawler tractor,
viz., crawler tractor/Motorised
d motorised scraper, Mogurd dumper
not satisfactory. National Projects
ad reported trouble about Marion
Committee decided that the matter may
cturers of equipment as well as to their
to make satisfactory arrangements for
pply of spare parts, and also to
Director General of Supplies and
ares parts. In case they fail to improve,
by the Committee for appropriate action.
been experienced about procurement of
nal crawler tractor. It was decided that
ght to the notice of dealers, so that they

Action on portion X is being taken by Central Water & Power Commission. Ministry of Defence will be addressed as at 'Y' after C.W. & P.C. furnish the required information. Approval of Coordination Board of Ministers is necessary to the other recommendations made under this item.

ales-services, performance of equipment was
the fact that there has been unsatisfactory
dealers in respect of some makes and the
atsu tractors has been found to be not upto
makes included in the standardised list
into two categories viz., A) Those makes,
sales-service etc., in respect of which are
owing three types of cases:

y all right. After-sales-service not

s of reputed make and of good
ich have been in extensive use in the
in but have not been sufficiently tried

ines having certain defects.

dered that in case of (B) (a) the matter
vice and supply of spare parts facilities should
ers as well as the manufacturers who should be
facilities. Regarding Komatsu tractors which
, the Committee decided that history sheet of
epared by all I &P projects owning these tractors.
hese machines should be brought to the notice of
hould make improvements in metallurgy and
Defence should also be requested to arrange
-sales-service and spare parts facilities.

ssification (B)(b) will be on probation for about
performance does not come up to expecta-
the risk of being removed from the standardised
are considered satisfactory will be moved upto

of standardised equipment, Committee recommended
makes be included in the list:

(above 60 B.H.P)

(A)
(B)-Lack of after-sales-service and spare parts facilities.
(B) Performance not satisfactory and lack of after-sales-service facilities.
(B) Not sufficiently tried in India.
/s Martin Burn Co. for 'CASE' Crawler tractor
ed as no performance data was available

ozer
esting house (A)
(B) Not sufficiently tried in India.

nt of Reference (1)

(1) What are the guide lines for standardisation, and to what extent is it necessary to define furthe the concepts and principles previously enunciated in the Construction Plant and Machinery Committee Report.

2) Point of reference (2)

Are there any items presently included in the list of standardised equipment, which need be considered for deletion or adverse consideration?

(3) Point of reference (3)
Should the number of categories on standardised list be increased to cover the items?
i) Motorised truck cranes.
ii) a) Pneumatic tyred tractor shovels.
b) Crawler-mounted tractor shovels.
ii) Air Compressors.

4) Point of reference (4)

Should the number of makes under each category of equipment included in the list of standardised equipment be increased beyond '5' which is the suggested limiting figure as per earlier stipulation?

H

Rec

The Committee is of the v
following factors should
consideration in adding i
ment to the original list

a) Is the equipment
manufacturer?
b) Is the suppliers'
satisfactory, i.e
suitable Service
Organisation?
c) Is the necessary
parts available?
d) Is the machine te
i.e. are the cons
features of accep
the performance s
production, cost
e) Is the power unit
make in use in In
be matched up wit
other machines in
f) Is the equipment
in India?

The Committee considered
un-satisfactory performance
sales-service facilities
diesel dumpers in the cat
Dumpers (upto 6½ cuyds) s
the list.

Regarding item 10-'Leader
considered that in view o
is a specialised item of
being not much demand for
India, it was not necessa
leaders in the standardis

The Committee did not con
include these 3 new categ
the standardised list. T
the requirements of these
were small and each proje
and sizes of equipment to
In case of those three ca
continue to be made after
for particular job.

The present limit of '5'
In cases of such categori
than 5 suitable makes are
increased after due consi

COMMENDATIONS OF THE STANDING COMMITTEE OF EXPERTS

mendations of the Committee	Examination in the Ministry of Irrigation & Power
ew that the e taken into ems of equip- of standardisation:	Approval of the Co-ordinatio Board of Ministers will be sought for.
ade by a reputable	
ter-sales service does he have a gineering	
pply of spare	
nically acceptable, ruction and design able standards, and is sifactory as regards d maintenance? of the machine of a la, and can it power units on se on the Projects? fficiently tried	
hat on account of either absence of after- Koehring and Muirhill ory 'Rear or Side ould be deleted from	As a result of the decision in the meeting of the Standing Committee of Experts, Koehring and Muirhill diesel dumpers have been eliminated from the Standardised list because of their unsatisfactory performance or absence of after-sale service etc. The Leaders have also been eliminated from the list as there is no demand for them. In view of the fact that all these makes were originally included in the Standardised list after obtaining approval of the Coordination Board of Ministers, it will be necessary to obtain their approval before we can accept this decision and intimate the same to the States/Project authorities for their guida---
the Committee the fact that this quipment and there the same for projects in to include belt list at present.	No action is called for.
der it necessary to ries of equipment on is was done because equipment for the project required particular types suit the job condition. egories the purchases can selecting the best machine	
recommended to be retained. of equipment, where more available, the limit can be eration.	Approval of the Coordination Board of Ministers will be necessary, before we can advise State/ Project authorities. The recommendation, in effect, is to waive the limit as none other than suitable makes is included in the list even now.

....2/-

tho position of supply of spare parts and felt ory. The Committee recommended that the import lers from Commercial quota should be increased e of usable equipment. These licences should s of particular makes and types of equipment ccredited agents. The actual users licensing otment of foreign exchange to Ministry of be sufficiently increased to meet the increasing er projects for spare parts for earthmoving and	The Central Water and Power Commission may be requested to furnish detailed proposal so that we may move the Ministry of Commerce & Industry and Steel & Heavy Industries and also Ministry of Finance (Department of Economic Affairs) for necessary action.
a year, normally	No action on our part seems called for. As a copy of the proceedings should have gone to D.G.S. & D., they will no doubt, be attending to this item.

4. The Committee reviewed
that this was not satisfac
licences being given to de
to 15% per year of the val
permit import of spare par
for which the dealers are
should continue but the al
Irrigation and Power shoul
demands of Irrigation & Po
construction equipment.

10. Point of Reference (10)

Should the Standing Committee meet more often to review the list of standardisation, if so, how often?

The Committee may meet mo

8. Point of reference (8)
Should consideration be given to draw up basic requirements to standardize on power equipment on basis similar to those concieved for standardization of construction plant.

9. Point of reference (9)
Should some guide lines be laid down for purchase of spares manufactured indigenously? In this context can the spares be purchased through agents other than the dealers of equipment?

The Committee considered t
with the operation of Tatra
should not be taken on the li
excavators the suppliers shou
spare parts facilities before

...equirement of power
and of varying capacities to
considered that it was not n
equipment.

The Committee considered t
The directions issued by the
etc., were considered. So
required for a particular ma
concerned, it was felt that
from any source other than t
the guarantee given by the s
Therefore, the question of
arise only after the expiry

The spare parts can be
categories:

1. Spares produced by t
2. Spares produced by t
equipment manufactur
3. Spare of indigenous

If the guarantee perio
buying spare parts at the
above sources provided the
from other than the Agents
vouchsafed. The numbe of
drawings and specifications
spare parts are, therefore
and ordered as such. In D
however, cases, have come
number inscribed on them, w
care should, therefore, be
other than the recognised
made from the following ca

i) The agents of the
ii) Direct from the
items, but prefera
such manufacturers
certificate:

"We confirm t
are to the
tolerances
manufacture
replacement
parts expor
and subject
operating
is supplied
full inter

iii) Indigenous manufac
collaboration with
provided the indig

"We confirm that
are to the same
and finish as
who supply thes
We also certify
replacement of
full interchan
by our foreign

t on account of various difficulties experienced
pers (Czech) at Chambal Project (M.P), this make
, Regarding Unikop (Polish) and Skoda (Czech)
l be asked to improve upon after sales-service and
those can be considered for inclusion in the list.

uipment being of special nature
uit the Project needs, the Committee
essary to standardise on power

This recommendation to be submitted for information of Coordination Board of Ministers.

s point at great length.
inistry of Finance, D.C.S.&D.
r as the question of purchase of spares
ine within the warranty period is
will not be proper to purchase these
e suppliers of the main equipment if
pliers is not to be repudiated by them.
rchase of spare parts from other sources will
f such warranty period.

assified into the following three

equipment manufacturers themselves;
primary manufacturers from whom the
s obtain the several component parts;
anufacture.

The States/Projects may be advised of the recommendation by C.W. & P.C. Approval of the Coordination Board of Ministers not necessary.

has expired there might be a case for
st competitive rates, from any of the
enuineness of the spare parts bought
f the manufacturers can be satisfactorily
he spare parts is so large that to obtain the
of each will be an impossible task. The
generally recognised by their part number
rectorate General of Supplies and Disposals
notice in which even the parts with part
e eventually found to be spurious. Extreme
xercised in ordering these spare parts from
uppliers. Purchase of spare parts should be
egories of firms:
anufacturers of the main equipment;
rimary manufacturers in respect of bought out
ly through their Indian Agents provided
or their Agents furnish the following

at the spares, which we supply to you
me material specification, working drawings,
d finish as we supply to the above equipment
s. These spares constitute the correct
of the original parts of their equipment. The
d by us are of the same technical standard
d to similar rigid quality control and inspection
In no case any article below the required standard
to any of our Overseas Distributors. We guarantee
angeability and equal durability.

urers who manufacture spare parts in
the foreign manufacturers of these parts
manufacturers furnish the following certificate:

the spares for which we have quoted to you
material specification, working drawings, tolerance
re manufactured by our foreign collaborators
e parts to the manufacturers of the equipment.
that these spares constitute suitable
he original parts of the equipment. We guarantee
eability of the parts with those manufactured
ollaborators and equal durability."

6. POINT OF REFERENCE (6)

Should makesof equipment manufactured by foreign manufacturers which are already on the standardisation list be automatically standardised when indigenously manufactured?

7. POINT OF REFERENCE (7)

To what extent should consideration be given to standarize equipment, with standard construction and design features of East European origin?

9. Motor Graders (above 75)H
i) Caterpillar
ii) Galion
iii) Letourneau Westinghous
iv) Allis chalmers

The Committee considered
in the list of Huber Warco M
the ground that the performa
not upto mark.

The list of standardized e
is enclosed with these minut

The Committee considered t
and following decisions were
i) Tractor Shovels-Regardin
decided that these need
this decision the applic
and Euclid tractor shovel
ii) Demag Excavators (West G
Performance reports abou
if the same are in use a
iii) Unikop Excavators (Polis
It was reported to the C
rendered by the Indian d
Committee felt that the
to improve upon these fa
iv) Shovel and tractors from
Rejected for want of expe
v) Equipment from U.S.S.R.
The performance reports
being imported for Balir
vi) Fuchs 301 Rubber Tyred e
This falls in the categ
included in the list.
vii) M/s Bahri & Co.
The firm having been bla
equipment offered by thi
viii) Equipment from German De
Rejected for want of exp

If the equipment manufact
standards of metallurgy and c
it should be automatically st

The Committee felt that t
the after-sales-service and
East European countries. For
ment, it was not possible to
cases it may be advantageous
level. In case of projects w
countries, the individual case

The Committee further co
foreign exchange funds from ot
made from East European countr
Administration to the Sub-Com
of the case, but the Project
suitability of the equipment.
European countries will not be
Construction features, perform
and spare parts facilities and
tion should also weigh equally

A)
A)
A)
(B) Lack of after-sale-service and spare parts facilities.

he application for inclusion
tor Grader and did not recommend it on
ce reports received from the projects were

uipment as now recommended by the Committee
s

e other applications received from dealers etc.,
taken:
the includion of tractor shovels, the Committee
ot be brought on the list at present. In view of
tions received for the includion of Eimco, Case
need not be acted upon.
rmany)
the equipment should be collected
where in the country.

mittee that the after-Sales-service
lers was not satisfactory. The
tter should be taken up with the firm
lities.
ugoslavia.
rience.

n equipment from U.S.S.R. which is
la Project may be obtained in due course.
cavator (West Germany)
ry of Mobile Cranes which are not being

klisted the Committee considered that the
firm should not be included in the list.
ocratic Republic:
rience.

red indigenously conforms to the same
nstruction as that of foreign manufacturers,
ndardized when indigenously manufactured.

To be placed before the Coordination Board of Ministers for information.

t there were various defects with regard to
ore parts position for equipment available from
vant of proper dealers for most of these equip-
tain these facilities. In most of these
make purchases on Government to Government
ch are tied down to Le.../Aid from East European
may be considered on their own merits.

idered that whenever for want of availability of
er sources the purchase of equipment is to be
es, the same can be referred by the Projects
ttee who can make recommendations on the merits
gineers must satisfy themselves about the
The lower price of equipment available from East
a governing factor for purchasing such equipment.
nce details, availability of after-sales-service
suitability of equipment for particular job condi-
in this respect.

No action is necessary. The procedure outlined is already covered by the existing instructions.

....5/-

3. Motorised Scrapers.

i) Letourneau
   Westing House (A)
ii) Caterpillar (A)
iii) Allis/chalmers (B) Lack of
   and spar
iv) Euclid (B) For impr
   service
v) Michigan (B) Not suff
vi) International (B) Not suff

4. Towed Scrapers

i) Onion Empire (A)
ii) Letourneau
   Westing house (A)
iii) Caterpillar (A)

5. Bottom Dumpers (above 12 c

The Committee decided that
is necessary.

i) Euclid (A)
ii) Caterpillar (A).
iii) Letourneau
   Westinghouse (A).

6. Rear or Side Dumpers (abov

The Committee decided that
cap" should be changed to rea
The list should include the m

i) Euclid (A)
ii) Letourneau
   Westinghouse
   articulated (A)
iii) Macks with Heil Body
   and Marion Jacks (A)
i) Caterpillar &they artic
   and Caterpillar Convent
ii) Letourneau Westinghouse
   Conventional truck typ
iii) Foden

The Committee decided
may be rejected for non-suit
International pay Fowler may
machine.

Regarding the applicati
of "Scammel Dump Trucks in t
there was considerable indig
purchases may be made for tr
machines could be brought or

7. Rear or Side Dumpers (Ur

The Committee decided th
6½ cuyds." should be changed
in the list. The list shoul

i) Euclid (A)
ii) Aveling Barford (A)
iii) Mogurt (B) - For impr

8. Excavators.

i) Ruston Bucyrus/Bucyru
ii) Lima
iii) P&H
iv) Marion
v) North West

er-sales-service
arts facilities.
ement in after-sales-
cilities.
iently tried in India
iently tried in India

. Cap).

specific mention of capacity

6½ cuyds. cap)
he classification "above 6½ cuyds.
as "above 10 Tonnes" (Off-the-Highway).
es as under:

ated
nal truck type (B)
"Haulpak" (B)
(B)
Not sufficiently tried in India

The standing Committee have freshly included Haulpak and Foden Dumpers in the list.

at applications for Aveling Barford Dumper
ility of the equipment while that for
e rejected for lack of experience with th

of M/s. T.E.C. for inclusion
list, the Committee noted that
ous content in this equipment. A few
l on different projects before these
he list under category (A) or (B).

6½ cuyds).
the classification "Upto
o read "upto 10 Tonnes" (Off-the-Highway)
include the makes as under:

ement in after-sales-service facilities.

Erie (A)
(A)
(A)
(B)
(B) The manufacturers to be addressed to make arrangements for after-sales-service and supply of spare parts.

....4/-

D.O.No.PWD MGL 63

MOST Urgent

9

Recommendations of the Standing Committee of experts on Standardisation of earthmoving machinery and heavy mechanical equipment for the River Valley Projects —

~~Sir,~~

~~Enc Cpy (SP)~~

Dear Sir,

I am desired to ~~forward~~ send herewith a copy of D.O. letter no. 6(13)/62-Policy dated 19-7-63 addressed to ~~along~~ with copies of its enclosures received from the Ministry of Irrigation & Power (Govt) regarding the above subject and to request you kindly to examine and ~~furnish~~ to furnish your remarks on the recommendations at Items 1, 2, 4 and 5 of the Summary of recommendations urgently for taking further action.

An urgent report is requested

Yours faithfully,

Sd/-

for Chief Engineer

PD

X Four copies of Pages 1-8 Cr. to be typed.

Despatched in No. P.W.D. 93 MGL 63

Dated 19/8/63.

MB

~~each one of the recommendations~~ items indicated in the Statement accompanying the Govt of India letter ~~a Statement and showing each the particulars as in the Statement sent by the G.O.I and your remarks or recommendations on a separate columns against each items with a column left blank for~~ one of the

10

for orders of Govt: ~~as mentioned~~

The ~~Chiefs~~ ~~Engineers~~ ~~furnishing the~~ particulars as indicated above may be sent immediately and in any case not later than the 30th August 63 for being put up to the Minister for Rlys.

Yours faithfully,

(D/S)

To

1) Shri I.M. Magdum
BE MIE
CE IP, B'lore

2) Shri G. Sambasivan
B.E
Chief Engr. HE CP
B'lore

3) Shri L.T. Amirthavasi
BE
CE S.V.P.
Ukkadam Kangal.

14/8/63

11

Most Urgent.

K.B.MURARAPPA, B.E.,M.C.E.,(USA),
Deputy Secretary to Government,
Public Works Department(Irrgn)

D.O.No.PWD 93 MGL 63

Mysore Government Secretariat,
Vidhana Soudha,

Bangalore, Dated:17th Aug.'63
19th

Dear ~~Shri~~ Sir

Recommendations of the Standing Committee of Experts on Standardisation of Earthmoving machinery and heavy mechanical equipment for the River Valley Projects.

I am desired to send herewith a copy of D.O. letter No.6(13)/62-Policy dated 19th July 1963 together with copies of its enclosures received from the Minister of State in the Ministry of Irrigation and Power, Government of India regarding the above subject and to request you kindly to examine each one of the items indicated in the statement accompanying the Government of India letter and to furnish your remarks or recommendations on each one of the items.for orders of Government.

The particulars as indicated above may be sent immediately and in any case <u>not later than the 30th August 1963</u> for being put up to the Minister for Public Works.

Yours sincerely,

Despatched in No. P.W.D. 93 MGL 63.
Dated 19/8/63

Shri
The C.E.(IP)/C.E.(HECP)/C.E.(SVP)
BY NAME

12

GOVERNMENT OF MYSORE

Telephone No.
Telegram

Sambasiviah, B.A., B.Sc.Tech.(Manch.),
Chief Engineer.

No 1334

Encl.

OFFICE OF THE
CHIEF ENGINEER HYDRO-ELECTRIC
CONSTRUCTION PROJECT
Post Bag No. 60, Bangalore-9.

Dated 29 August 1963.

Dear Shri Murarappa,

Sub:-Recommendations of the Standing Committee of Experts on standardisation of earthmoving machinery and heavy mechanical equipment for the River Vall Projects.

Ref:- Your D.O. letter No.PWD 93 MGL 63 dated 19-8-1963.

With reference to your above D.O. letter, I would like to state that the Hydro-Electric Construction Projects Department has no earth-moving machinery. The only heavy mechanical equipment is the two tractor-trailer sets which have been imported from Germany. As and when necessary I arrange to get the spare parts for these tractor-trailers from Germany. We are borrowing bulldozers, dumpers, etc. from the Special Chief Engineer, Kargal, as and when required. Therefore the remarks and other recommendation may kindly be obtained from him.

Yours sincerely,

(G. Sambasiviah)

Shri K.B.Murarappa, B.E., M.C.E.(USA),
Deputy Secretary to Government,
Public Works Department (Irrgn.),
Vidhana Soudha,
Bangalore-1.

30/8/63

M. G. S. App. F. G. 3].

PWD. 93 MGL 63

13

MYSORE GOVERNMENT

SECRETARIAT.

(*Continuation sheet draft form*).

Subj:- as on Page 11 Cf

Ref:- T.O. letter of even no dated 17/19-8-63

I am directed to invite a reference to the office letter cited above and to request you kindly to ~~furnish immediately~~ the report called for on the subject for taking further action.

Cl/Sy

Despatched in No. P.W.D. 93MGL63

Dated 13/9/63

CE (DP)

~~CE S.W.A~~

by name

4/9/63

ND 012117—GPB—1,00,000—7-3-63

17

GOVERNMENT OF MYSORE.

K.B. MURARAPPA, B.E., M.C.E.(U.S.A.)
Deputy Secretary to Government,
P.W.D. (Irrigation).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, dated, 12 Septr.1963.

D.O. No. PWD 93 MGL 63.

Dear Sir,

Sub.- Recommendation of the Standing Committee of Experts on Standardisation of Earthmoving Machinery and Heavy Machanical equipment for the River Valley Projects.

Ref:- This office D.O. letter of even No.dated 11/19-8-63.

I am desired to invite a reference to this office letter cited above and to request you kindly to furnish immediately, the report called for on the subject for taking further action.

Yours faithfully,

To
Sri Magdum,B.E., M.I.E.,
Chief Engineer(I.P),
Bangalore.

Rnm/-

13

GOVERNMENT OF MYSORE.

No. SVP/ST/EME/GL/007257/63-64
Statement in duplicate

Office of the Special Chief Engineer,
Sharavathi Valley Project,
Kargal, dated the ~~2nd August, 63.~~
12 SEP 1963

To

The Deputy Secretary to Government,
Public Works Department (Irrigation)
Vidhana Soudha,
BANGALORE-1.

MYSORE GOVERNMENT SECRETARIAT TAPPAL SECTION 3 SEP 1963 SECTION MS PUBLIC WORKS DEPARTMENT

SUB:- Recommendation of the standing Committee of experts on standardization of earthmoving machinery and heavy mechanical equipment for the River Valley Projects.

REF:- Your D.O. No. PWD 93 MGL 63 dated 17/19-8-63.

3/9
To-day
RS
3/9/63

With reference to the above, I herewith furnish the required information, in the statements enclosed, called for on the basis of the experience with some types of machines working in this project.

MYSORE GOVT. SECRETARIAT No. 6319 4 SEP 1963 PUBLIC WORKS (MAJOR IRRIGATION)

Yours faithfully,
21/9/63
Special Chief Engineer,
Sharavathi Valley Project,
K A R G A L.

3/9

kcp.

ardised equipment, which need be considered for deletion or adverse consideration?

or absence of after sales-service facilities, kochring and Muirhills dumpers in the category Rear or side dumpers (upto 6½ Cyds) should be deleted from the list.

Regarding item 10- Loaders - the committee considered that in view of the fact that this is a specialized item of equipment and there being not much demand for the same for projects in India, it was not necessary to include belt loaders in the standardized list at present - The 'loaders' has also been eliminated from the list.

meeting of the standing committee of exports, kochring and Muirhill diesel dumpers have been eliminated from the standard list because of their unsatisfactory performance or absence of after sale service etc. as there is no demand forthem.

of the Committee to delate kochring and Muirhill dumpers from the list of standardized list may be approved. Then performance in this project is also quite unsatisfactory for the same reasons.

'Loaders' are not tried ~~in this Project.~~ omit-

In view of the fact that all there makes were originally included in the standardized list after obtaining approval of the co-ordination board of ministers, it will be necessary to obtain their approval before we can accept this decision and intimate the same to the states/Project authorities for their guidance.

3. Should the number of categories on standardised list be increased to cover the items.

1) Motorised truck cranes
2) a) Pneumatic tyred tractor shovels.
   b) Crawler-mounted tractor shovels.
3) a) Air Compressors.

The committee did not consider it necessary to include these 3 new categories of equipment on the standardized list. This was done because the requirements of these equipment for the project were small and each project required particular types and sizes of equipment to suit the job condition ✱ In case of these three categories the purchases can continue to be made after selecting the best M/c for particular job.

No action is called for.

The recommendation of the committee of ex experts may be approved.

4. Should the number of makes under each category of equipment included in the list of standardized equipment be increased beyond '5' which

RECOMMENDATION OF STANDING COMMITTEE OF EXPERTS.

No.	Point of reference	Recommendations of the Committee.	Examination in the ministry of Irrigation and Power.	Remarks and Recommendation by the Special Chief Engineer Sharavathi Valley Project.
1	2	3	4	5
1.	What are the guide lines for standardization and to what extent is it necessary to define further the concepts and principles previously enunicated in the construction plant and machinery committee rep report.	The Committee is of the view that the following factors should be taken into consideration in adding items of equipment to the original list of standardization - a) Is the equipment made by a reputable manufacturer? b) Is the suppliers after sales service satisfactory i.e., does he have a suitable service Engineering organization? c) Is the necessary supply of spare parts available? d) Is the M/c Technically acceptable, i.e., are the construction and design features of acceptable standards, and is the performance satisfactory as regards production, cost and maintainance? e) Is the power unit of the machine of a make in use in India, and can it be matched up with power units on other M/s in use on the Projects? f) Is the equipment sufficiently tried in India?	Approval of the Co-ordination Board of Ministers will be sought for.	All the recommendations of the committee may be approved for adoption.
2.	Are there any items presently	The Committee considered that on account		

and after - sales-service ck, in respect of which are satisfactory, and (B) Following three types of cases:-

a) M/c Basically alright After sales-service not satisfactory.
b) Imported M/s of reputed make and of good construction which have been in extensive use in the country of origin but have not been sufficiently tried in India.

c) Indigenous machines having certain defects.

The Committee Considered that in case of (B)(a) the matter regarding after-sales-service and supply of spare parts ~~facilities~~ facilities should be taken up with the dealers as well as the manufacturer who should be told to improve upon these facilities. Regarding the Komatsu tractor which come under category (B) (C), the committee decided that history sheet of each M/c should be prepared by all I&P Projects owning these tractors. The defects observed in these machines should be brought to the notice of the ministry of defence who should make improvements in metallurgy and construction. Ministry of Defence should also be requested to arrange proper and adequate after - sales - service and spare parts facilities.

"At Y"-The recommendation of the committee may be approved fully.

The makes under classification (B) (b) will be an probation for about one or two years and if performance does not come up to expectation these makes will run the risk of being removed from the standardized list such of those considered satisfactory will be moved upto category 'A'.

Reviewing the list of standardized equipment, Committee recommended that the following equipment makes be included in the list.

I Crawler Tractor (above 60 B.H.P)

1	2	3	4	5
4.	Should the number of makes under each category of equipment included in the list of standardized equipment be increased beyond 'B' which is the suggested limiting figure as per earlier stipulation?	The present limit of 'B' is recommended to be retained. The case of such categories of equipment where more than 5 suitable makes are available, the limit can be increased after due consideration.	Approval of the coordination Board of Ministers will be necessary, before we can advise state/ Project authorities. The recommendation in effect, is to leave the limit as none other than suitable makes included in the list are.	The number should be reduced to three, if possible on the basis of experience so far gained. This will facilitate the procurement, distribution and utilisation of the spare parts.
	To review the after-sale service rendered by suppliers of standardized equipment during the past 5 years.	Not satisfactory National Projects Construction corporation had reported trouble about manow shovel spare parts. The Committee decided that the matter may be referred to the manufacturers of equipment as well as to their Indian agents asking them to make satisfactory arrangements for after sale-service and supply of spare parts and also to execute to contract with DGC&D for supply of spare parts. In case they fail to improve the matter may be reviewed by the committee for appropriate action. Some difficulty has lately been experienced about procurements for spare parts of international crawler tractor. It was decided that this slackness may be brought to the notice of dealers, so that they may rectify the position.	Action on portion X is being taken by C. &PC. Ministry of defence will be addressed as at "X" after C&PC furnish the required information. Approval of the co-ordination Board of Ministers is necessary to the other recommendations made under this item.	After sales service and supply of spare parts were not satisfactory in case of Euclid crawler and tractors working in this project. The recommendation of the committee may be approved fully.
	The report suppliers committee service in Allis chalm motorized s motorized s west shovel	Along with the after-sales services, performance of equipment was also reviewed. In view of the fact that there has been unsatisfactory after - sales - service from dealers in respect of some makes and performance in case of Komatsu tractors has been found to be not upto mark, it was decided that makes included in the		

omit-

Westinghouse (A)

6. Rear or side Dumpers (above 6½ cyds cap)

The Committee decided that the classification 'above 6½ cyd Cap' should be changed to read as 'above 10 tonnes' (of the highway).
The list should include the makes as under.

May be approved

i) Euclid (A)
ii) Letourneau (A)
Westinghouse articulated.
iii) Macks with Hoil Body and Marion Jacks(A)

1) Caterpillar Athoy articulated and caterpillar Conventional truck type (B).

2) Letourneau Westinghouse - Conventional truck type 'HAULPAK' (B)

3) Foden (B)

not sufficiently tried in India.

The standing Committee have freshly included Haulpack and Foden Dumpers in the list.

The Committee decided that application for Aveling Barford Dumper may be rejected for non-suitability of theequipment while that for International pay Hauler may be rejcted for lack of experience with the M/s.

Regarding the application of M/s. T.R.C. for inclusion of 'Scammel Dump trucks in the list, the committee noted that there was considerable indigenous content in this equipment. Afew purchases may be made for ~~xxxix~~ trial on different projects before these machine could be brought on the list under category (A) or (B).

Resper

7. REAR OR SIDE DUMPERS (UPTO NNE 6½ CYDS)

The Committee decided that the classification upto 6½ cyds' should be changed to read (upto 10 Tonnes((off the highway) in the list. The list should include the makes as under:

i) Euclid (A)
ii) Aveling Barford (A)
iii) Mogurt (B)- for improvement in after-sales-service facilities.

May be done.

~~This project has~~ has been experienced difficulty in securing the necessary spares for the Mogurt dumpers working

1	2	3	4	5

I CRAWLER TRACTOR (ABOVE 60 B.H.P)

1) Caterpillar (A)
2) International(A)
3) Allis chalmers(B) Lack of after-sales-servic and spare parts facilities.
4) Komutsu (b)
5) Euclid (B)-Not satisfactorily tried in India.

Not tried in this project. omit-

The application of M/s Martin Burn Co. for 'CASE' crawler and rejected as no performance data was available.

* tractor was considered

2) Rubber Tyred dozer:

1) Letourneau-westing house. (A)
2) Michingan. (B) not sufficiently tried in India.

Not tried here.

3. MOTORISED SCRAPPERS.

i) Letourneau Westing House (A)
ii) Caterpillar (A)
iii) Allis/Chalmers (B) Lack of after-sales-servics.
iv) Euclid (B) For improvement in after-sale servico facilities.
v) Michigan. (b) Not sufficiently tried in India
vi) International (B) Not sufficiently tried in India.

4. TOWED SCRAPERS.

i) Onion Empire (A)
ii) Letourneau Westinghouse (A)
iii) Caterpillar (A)

5. Bottom Dumpers (above 12 cyd. Cap)

The Committee decided that no specific mention of capacity is necessary.

i) Euclid (A)
2) Caterpillar (A)

iv) Shovel and tractors from Yugoslavia.
Rejected for want of experience.

v) Equipment from U.S.S.R.
The performance reports on equipment from U.S.S.R. which is being imported for Balimala Project may be obtained in due course.

vi) Fuchs 301 Rubber Tyred excavator(West Germany) -This falls in the category of Mobile Cranes which are not included in the list.

vii) M/s Bahri and Co.
The firm having been ~~kixxing~~ blacklisted the committee considered that the equipment offered by this firm should not be incouded in the list .

viii) Equipment from German Democratic Republic Rejected for want of experience.

6. Point of reference (6) Should makes of equipment manufactured by foreign manufacturers which are already on the standardisation list be automatically standardised when indigenously manufactured?	If the equipment manufactured indigenously conforms to the same standards of metallurgy and construction as that of foreign manufacturers, it should be automatically standardised when indigenously manufactured.	To be placed before the coordination Board of Ministers for information.	It shoudl be subject to fresh trials to gain experience of its performance.
7. Point of reference(7) To what extent should consideration be given to satandardise equipment with standard construction design features of East European origin?	The Committee felt that there were various defects with regard to the after sales-service and spare parts position for equipment etc etc.....	No action is necessary. The procedure outlined is already covered by the existing instruction.	The procedure outlined is already covered vide point of refe(5) similar action may be followed in the case of equipments from East europeaon countries.

8. Point of ref(8):-
Should consideration be given to draw up basic requirements to standardize& on power equipment on basis similar to those

....5

8. Excavator
1) Ruston Bucyrus/ Bucyrus Erie (A)
2) Lima (A)
3) Poth (A).
4) Marion (A)
5) North-west (B) - The manufacturers to be addressed to make arrangements for after-sales service and supplying spare parts.

This project has experienced difficulty in securing the necessary spares for the Mogurt dumpers working but after-sales service was satisfactory

9. Motor Graders (above 75 HP)

1) Caterpillar (A)
2) Galion (A)
3) Letourneru Westinghouse (A)
4) Allis Chalmers (B) Lack of after-sale service and spare parts facilities.

The committee considered the application for inclusion in the list of Hubar Warco Motor Grader and did not recommend on the ground that the performance reports received from the projects were not upto mark.

The list of standardised equipment as now recommended by the Committee is enclosed with these minutes.

The Committees considered the other applications received from dealers etc, and following decisions were taken:

i) Tractor Shovels-Regarding the inclusion of tractor shovels the committees decided that these need not be brought on the list at present. In view of this decision the applications received for the inclusion of Eimco, Case and Euclid tractor shovels need not be acted upon.

ii) Demag excavators (West Germany) Performance report about the equipment should be collected if the same are in use anywhere in the country.

iii) Unikpp Excavators (Polish)
It was reported to the Committee that the after-sales-service rendered by the Indian dealers was not satisfactory. The Committee felt that the matter should be taken up with the firm to improve upon these

(ii) They were in use on the Rakascop Dam work in the Belgaum Circle Belgaum Mysore

generally recognised by their part number and ordered as such. In Directorate General of supplies and Disposals however cases, have come to notice in which even the parts with part number inscribed on them were eventually found to be spurious. Extreme care should, therefore be exercised in ordering these spare parts from other than the recognised suppliers.

Purchase of spare parts should be made from the following catogories of firms:

i) The Agents of the manufacturers of the main equipment.

ii) Direct from the primary manufacturers in respect of bought out items, but preferably through their Indian Agents provided such manufacturers or their Agents furnish the following certificate:

"We confirm that the spare, which we supply to you are to the same material specification, working drawings, tolerances and finish as we supply to the above equipment manufacturers. Those spares constitute the correct replacement of the original parts of their equipment. The parts exported by us are of the same technical standard and subject to similar rigid quality control and inspection operation. In no case any articles below the required standard is supplied to any of our Overseas Distributors. We guarantee full interchangeability and equal durability.

iii) Indigenous manufacturers who manufacture spare parts in collaboration with the foreign manufacturers of these parts provided the Indian manufacturers furnish the following certificate.

"We confirm that the spares for which we have quoted to you are to the same material specification, working drawings, tolerance and finish as are manufactured by our foreign collaborators who supply these parts to the manufacturers of the equipment we also certify that these spares constitute suitable replacement of the original parts of the equipment. We guarantee full interchangeability of the parts with those manufactured by our foreign collaborators and equal durability.

4. The Committee reviewed the position of supply of spare parts and felt that this was not satisfactory. The

1	2	3	4	5
8.	concieved for standardisation of construction plant.	The equipment of Power equipment being of special nature and of varying capacities to suit the project needs, the committee considered that it was not necessary to standardize on power.	This recommendation be submitted for information of co-ordination Board of Ministers.	The Committees recommendation may be approved.
	ould bome guide lines be id down for purchase of ers manufactured indigo- ly? In this context Who spares be purchased ough agents other than dealers of equipment!	The Committee considered this point at great length. The directions issued by the Ministry of Finance, D.G.S.&D. etc., were considered. So far as the question of purchase of spares required for a particular machine within the warranty period is concerned it was felt that it will not be proper to purchase these from any source other than the suppliers of the main equipment if the guarantee given by the suppliers is not to be repudiated by them. Therefore, the question of purchase of spare parts from other sources will arise only after the expiry of such warranty period. The spare parts can be classified into the following three categories: 1) Spares produced by the equipment manufactured themselves. 2) Spares produced by the primary manufacturers from whom the equipment manufacturers obtain the several componentparts; 3) Spare of indigenous manufactures. If the guarantee period has expired there might be a case for buying spare parts at the most competitive rates, from any of the above source provided the genuineness of the spare parts bought from other than the Agents of the manufacturers can be satisfactorily vouchesafed. The number of the spare parts is so large that to obtain	The States/Projects may be advised of the recommendation by C.W.& P.C. Approval of the Co-ordination Board of Minister not necessary.	The Committee has exhaustively reviewed this point and all the recommendations may be adopted intoto.

1	2	3	4	5
		4. The Committee recommended that the import licences being given to dealers from Commercial quota should be increased to 15% per year of the value of usable equipment. These licences should permit import of spare parts of particular makes and types of equipment for which the dealers are accredited agents. The actual users licensing should continue but the allotment of foreign exchange to Ministry of Irrigation and Power should be sufficiently increased to meet the increasing demands of Irrigation and Power Projects for spare parts for earthmoving and construction equipment.	The Central Water and Power Commission may be requested to furnish detailed proposal so that we may move the Ministry of Commerce and Industry and Steel and Heavy Industries and also Ministry of Finance (Department of Economic Affairs) for necessary action.	The Committee's recommendations may be approved
10. Point of reference (10) should the standing Committee meet more often to review the list of standardisation, if so, how often?		The Committee may meet once a year, normally.	No action on our part seems called for. As a copy of the proceedings should have gone to D.G.S. & D. they will no doubt, be attending to this item.	No action seems to be called for.

21/9/63

Special Chief Engineer,
Sharavathi Valley Project,

GOVERNMENT OF MYSORE

OFFICE OF THE CHIEF ENGINEER, P.W.D.
IRRIGATION PROJECTS IN MYSORE.
CENTRAL MECHANICAL ORGANISATION
ANANDA RAO CIRCLE, BANGALORE-9. 16

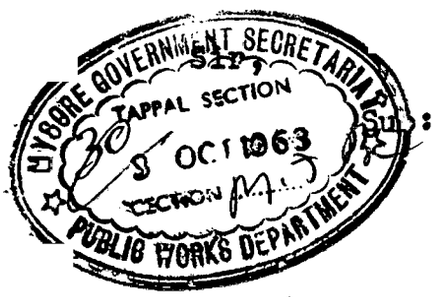
No.CMO/-TSA/-1164

Dated the 1st October 1963.

To

The Secretary to Government,
Public Works Department,
BANGALORE-1.

136/I/D/63



Sir,

Sub: Recommendations of the Standing Committee of Experts on Standardisation of Earthmoving Machinery & Heavy Mechanical Equipment for the River Valley Projects.

*****

With reference to your D.O.Letter No.PWD 93 MGL 63 - dated the 13th September 1963, I have to state that the recommendations of the Standing Committee of Experts are generally agreeable.

However, it may be pointed out here that the Power units fitted on these machines also required to be standardised. It is experienced that the Suppliers offer a number of alternative power units for each machine and if this item is left out without any restrictions there is every possibility of getting all makes and kinds of engines and the whole purpose of the standardisation will be defeated. The Power unit is the heart of a machine and unless this is kept in working condition backed by efficient flow of spare parts, the machine itself will not give efficient performance. Based on the past experience, Diesel Engines like CUMMINS, CATERPILLARS, G.M., ALLIS-CHALMERS, INTERNATIONAL HARVESTER, etc., can be standardised for this purpose.

It is also necessary to standardise ~~some of~~ the engines fitted on Machinery imported from Hungary like the Mogurt dumpers which are included in the standardised list of machinery.

Yours faithfully,

CHIEF ENGINEER, I.P.

Gl Letter for issuing further action. Cross file

SMA:GRK(3).

Draft D.O. for Approval - 17

As from Minister
PWD.

My dear

I received your D.O. letter No. 6(13)162-Policy, dated 19-7-63 regarding the recommendations of the Standing Committee of Experts on standardisation of earth moving machinery and Heavy Mechanical Equipment for the Rihand Valley projects.

The recommendations of the Committee with regard to Item 1, 2 & 5 are generally acceptable. With regard to Magnet Dumpers difficulty is being experienced in securing the necessary spares but after sales service is satisfactory

With regard to Item No. 4, on the basis of experience so far gained, it is suggested that if possible the number should be reduced to 3 as this will facilitate the procurement, distribution and utilisation of the spare parts.

In addition to the above it is also pointed out that the power units fitted on these machines also require to be standardised. The Subsidiaries offer

P.T.O.

offer a number of alternative power units for each machine so if this item is left out without any restriction there is every possibility of getting all models and all kinds of engines and thus the purpose of standardisation is defeated. The power unit, you will agree, is the heart of a machine and unless this is of a good standard and is kept in working condition, besides the supply of spare parts, the machine itself will not give efficient performance.

On the basis of experience gained the diesel engines like Cummins, Caterpillars, G.M. Allis Chalmers, International Harvesters are suitable for standardisation. It is also necessary to standardise the engines fitted on machines imported from foreign viz Magnet-Dumpers which are employed in the Steel Plant machinery, and the efficient flow of spare parts should also be ensured.

Yours .....,

Shri O.V. Alagesan,
Minister of State,
Govt. of India,
Ministry of Irrigation & Power,
New Delhi.

Nov 29/1967

As from Min. Min. PWD

Draft.

D.O. No. PWD

My Dear.....

I received your D.O. letter No. 6 (13)/62 - Policy dated 19-7-63 regarding the recommendations of the Standing Committee of Experts on standardisation of Earthmoving machinery and Heavy Mechanical Equipment for the ~~Sha~~ River Valley Projects.

The recommendations of the Committee with regard to item 1, 2 and 5 are generally acceptable. With regard to Mogurt dumpers difficulty is being experienced in securing the necessary spares, but after sales service is satisfactory.

With regard to item No.4, on the basis of experience so far gained, it is suggested that if possible, the number should be reduced to 3 as this will facilitate the procurement, distribution and utilisation of the spare parts.

In addition to the above it is also pointed out that the power units fitted on these machineries also require to be standardised. The suppliers offer a number of alternative power units for each machine and if this item is left out without any restriction there is every possibility of getting all makes and all kinds of engines and thus the purpose of standardisation is defeated. The power unit, you will agree, is the heart of a machine and unless this is of a good standard and is kept in working condition, backed by the supply of spare parts, the machine itself

will not give efficient performance.

On the basis of experience gained the Diesel Engines like Cummins, Caterpillars, G.M. Allis-Chalmers, International Harvesters etc., are suitable for standardisation. It is also necessary to standardise the Engines fitted on Machinery imported from Hungery viz., Mogurt dumpers which are included in the standardisation list of machinery, but the efficient flow of spare parts should also be ensured.

Yours.....

Shri O.V. Alagesan,
Minister of State,
Govt. of India, Ministry of I & P.,
New Delhi.

Gva.26/11/63.

From Minister
PW.D.

Draft D.O.

21

My dear.....

XXX

Type Section

Please type draft

[illegible] 2/12

I received your D.O. Letter No. 6(13) 62-policy, dated 19-7-63 regarding the recommendations of the Standing Committee of Experts on standardisation of earthmoving machinery and Heavy Mechanical Equipments for the River Valley projects.

I am enclosing herewith a statement containing the remarks and recommendations of this State.

X pages 15/1, 15/3, 15/5, 15/7, 15/9, and 15/11 C-f.

[illegible]

In addition to the remarks and recommendations made against the several items it is also suggested that the power units fitted on the machines required to be standardised. The specifications offer a number of alternative power units for each machine and if this unit is left out without any restriction there is every possibility of getting all makes and all kinds of engines and motors thus defeating the purpose of standardisation. The power units can will agree, in the head of a

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2

a machine as soon as it is of a standard design and is getting working smoothly, knowing the staff of these parts, the maximum stock of spare parts for the efficient performance.

On the basis of the experience gained the diesel engines like Cummins, Caterpillars, A.M. Hills, Crossley, International Harvesters etc., we should be able to standardise:

It is also necessary to standardise the engines fitted on machineries imported from Hungary viz., Manual Dumpers, which are included in the standardisation list of machinery. The efficient flow of spare parts should also be ensured of all the machineries which has been standardised.

Yours .....

K. L. Rao,
Chief ~~Draughtsman~~,
Ministry of Steel,
Govt. of India,
Ministry of Ind. Dev.
New Delhi.

1/12/62

G. Siddananjiah, B.Sc.,
Private Secretary to the
Minister for Public Works
and Electricity

BANGALORE.

Dated 27th Nov. 1963

No. MPW 3423/63

MYSORE GOVERNMENT SECRETARIAT
TAPPAL SECTION
30 NOV 1963
SECTION M.W.

971

Dear Shri Acharya,

This is just a line to acknowledge letter No.6(13)/63-Policy dated 24th Nov.1963, addressed by your Minister to the Minister, PWD. The Minister, PWD is on tour and will be returning on the 30th. The letter will be submitted to him, on his return to headquarters.

Yours sincerely,

27/4

(G. Siddananjiah)

OFFICE OF THE MINISTER FOR PUBLIC WORKS
NO: .....
30 NOV 1963
BANGALORE.

PWD 627/I 2/43/63

Shri K.R.S.Acharya,
Private Secretary to Minister
for Irrigation & Power,
Govt. of India,
New Delhi.

rm/

Issued.
27/11/63

PS
30/11/63

Today
This is for G.J.S

GJS

2.12.63

Pl. put up papers urgently.

I. Sahi
30/11
Minister for P.W. Secy. (W&B)

No. 6(13)/63-Policy

MINISTER FOR IRRIGATION & POWER
INDIA

New Delhi, 24th Nov. 63.

My dear Veerendra Patil,

Please refer to my predecessor's D.O. letter No. 6(13)/62-Policy, dated the 19th July, 1963, regarding recommendations of the Standing Committee of Experts on standardization of equipment for use at the River Valley projects.

I shall be grateful if your approval in the matter is conveyed to us early.

Yours sincerely,

K L Rao

(K. L. Rao)

Shri Veerendra Patil,
Minister for Public Works & Transport,
Government of Mysore,
Bangalore.

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Draft D.O.

As from Minister P.W.D.)

My Dear

I received your predecessor's D.O. letter No.6(13)62-Policy dated 19-7-63 regarding the recommendations of the Standing Committee of Experts on standarisation of Earth-moving machinary and Heavy Machnical Equipment for the River Valley Projects.

I am enclosing herewith a statement* containing the remarks and recommendations of this State.

In addition to the remarks and recommendations made against the several items it is also suggested that the ~~former~~ power units ~~followed~~ filled on the standarised machines require to be standarised. The suppliers ~~offer~~ a number of alternative ~~former~~ power units for each machine and if this unit is left out without any restriction, there is every possibility of getting all makes and all kinds of engines and motors, thus defeating the purpose of standarisation. The power unit, you will agree, is the heart of a machine and unless this is of a standard ~~gravity~~ quality and is kept in working condition, ~~watching~~ backed by the supply of spare parts, the machine itself will not give efficient performance.

On the basis of the experience gained, the disel engines ~~xixi~~ like Cummins, Caterpillars, G.M., Allis Chalmers, International Harvester etc. are suitable for Standarisation.

It is also necessary to standarise the engines fitted on machineries imported from Hungary, viz., Mogurt dumpers which are included in the standarisation list of machinery. The efficient flow of spare parts should also be ensured of all the ~~machics~~ machineries which has to be standarised.

Yours

Shri K.L. Rao,
Minister of State,
Govt. of India, Ministry of I & P,
NEW DELHI.

3/12

*P.S. pages 15/1, 15/3, 15/5, 15/7, 15/9 and 15/11 c.f. with corrections in pencil

VEERENDRA PATIL, B.A., LL.B.,
Minister for Public Works

BANGALORE-1,
Dated. 7. th. Dec. ... 1963

PWD 136/DOL/1963

My dear

I received your predecessor's D.O.letter No.6(13)62-Policy dated 19-7-1963 regarding the recommendations of the Standing Committee of Experts on standardisation of Earth Moving Machinery and Heavy Mechanical Equipment for the River Valley Projects.

I am enclosing herewith a statement containing the remarks and recommendations of this State.

In addition to the remarks and recommendations made against the several items it is also suggested that the power units fitted on the standardised machines require to be standardised. The suppliers offer a number of alternative power units for each machine and if this unit is left out without any restriction, there is every possibility of getting all makes and all kinds of engines and motors, thus defeating the purpose of standardisation. The power unit, you will agree, is the heart of a machine and unless this is of a standard quality and is kept in working condition backed by the supply of spare parts, the machine itself will not give efficient performance.

On the basis of the experience gained, the diesel engines like Cummins, Caterpillars, G.M., Allis, Chalmers, International Harvester etc. are suitable for Standardisation.

It is also necessary to standardise the engines fitted on machineries imported from Hungary, viz., Mogurt dumpers which are included in the standardisation list of machinery. The efficient flow of spare parts should

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should also be ensured of all the machineries which has to be standardised.

Yours

(Veerendra Patil)

Dr. K.L.Rao,
Union Minister for Irrigation & Power,
New Delhi.

My dear

I received your predecessor's D.O.letter No.6(13)62-Policy dated 19-7-1963 & regarding the recommendations of the Standing Committee of Exports on standardisation of Earth Moving Machinery and Heavy Mechanical Equipment for the River Valley Projects.

I am enclosing herewith a statement containing the remarks and recommendations of this State.

In addition to the remarks and recommendations made against the several items it is also suggested that the power units fitted on the standardised machines require to be standardised. The suppliers offer a number of alternative power units for each machine and if this unit is left out without any restriction, there is every possibility of getting all makes and all kinds of engines and motors, thus defeating the purpose of standardisation. The power unit, you will agree, is the heart of a machine and unless this is of a standard quality and is kept in working condition backed by the supply of spare parts, the machine itself will not give efficient performance.

On the basis of the experience gained, the diesel engines like Cummins, Caterpillars, G.M., Allis, Chalmers, International Harvester etc. are suitable for Standardisation.

It is also necessary to standardise the engines fitted on machineries imported from Hungary, viz., Mogurt dumpers which are included in the standardisation list of machinery. The efficient flow of spare parts should

p.t.o.

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should also be ensured of all the machineries which has to be standardised.

Yours

(Veerendra Patil)

Dr. K.L.Rao,
Union Minister for Irrigation & Power,
New Delhi.